

ABSTRACT

A centrifugation injection mold comprising: a lower mold portion having a basic block the lower portion of which is mounted to and rotates within bearing means that are affixed to a machine structure, a plurality of axial columns the bottom portions of which are affixed around the outer portions of the basic block, and a moveable block defining a lower mold cavity and being mounted in a sliding relationship to the axial columns, in order to be axially displaced between an open mold position and a closed mold position; an impelling means operatively associated with the machine structure and with the moveable block for displacing the moveable block to the open mold position against the action of an elastic means; a locking means mounted to each axial column; and an upper mold portion to be removably seated on the axial columns and affixed thereto by the locking means in a closed mold position.